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Term	Documents
TNF.USPT,PGPB.	5799
TNFS.USPT,PGPB.	109
RECEPTOR\$	0
RECEPTOR.USPT,PGPB.	48517
RECEPTORAGONISTIC.USPT,PGPB.	1
RECEPTORAGONISTS.USPT,PGPB.	1
RECEPTORAIGAND.USPT,PGPB.	1
RECEPTORAJOR.USPT,PGPB.	1
RECEPTORAL.USPT,PGPB.	1
RECEPTORALIGAND.USPT,PGPB.	1
((TNF ADJ RECEPTOR\$) SAME (STALK OR 67) ).USPT,PGPB.	8

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 JPO Abstracts Database  
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 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

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(tnf adj receptor\$) same (stalk or 67)

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<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB	(tnf adj receptor\$) same (stalk or 67)	8	L2
USPT,PGPB	wallach-david\$	25	L1



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## Search Results -

Term	Documents
TNF.DWPI,EPAB,JPAB.	3092
TNFS.DWPI,EPAB,JPAB.	15
RECEPTOR\$	0
RECEPTOR.DWPI,EPAB,JPAB.	38895
RECEPTORAB.DWPI,EPAB,JPAB.	1
RECEPTORAGONISTIC.DWPI,EPAB,JPAB.	1
RECEPTORAGONISTS.DWPI,EPAB,JPAB.	1
RECEPTORANALOGOUS.DWPI,EPAB,JPAB.	1
RECEPTORANTAGONIST.DWPI,EPAB,JPAB.	1
RECEPTORANTAGONISTIC.DWPI,EPAB,JPAB.	2
((TNF ADJ RECEPTOR\$) SAME (STALK OR 67) .JPAB,EPAB,DWPI.	4

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(tnf adj receptor\$) same (stalk or 67)

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## Search History

Today's Date: 9/15/2001

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
JPAB,EPAB,DWPI	(tnf adj receptor\$) same (stalk or 67)	4	<u>L3</u>
USPT,PGPB	(tnf adj receptor\$) same (stalk or 67)	8	<u>L2</u>
USPT,PGPB	wallach-david\$	25	<u>L1</u>

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## Search Results - Record(s) 1 through 4 of 4 returned.

 1. Document ID: JP 08009976 A

L3: Entry 1 of 4

File: JPAB

Jan 16, 1996

PUB-NO: JP408009976A  
DOCUMENT-IDENTIFIER: JP 08009976 A  
TITLE: TUMOR NECROSIS FACTOR-A MUTEIN

PUBN-DATE: January 16, 1996

## INVENTOR-INFORMATION:

NAME	COUNTRY
BANNER, DAVID	N/A
LESSLAUER, WERNER	N/A
LOETSCHER, HANSRUEDI	N/A
STUEBER, DIETRICH	N/A

INT-CL (IPC): C12N 15/09; A61K 38/00; C07H 21/02; C07H 21/04; C07K 14/525; C12N 1/21; C12P 21/02; G01N 33/566

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn Desc](#) | [Image](#) 2. Document ID: US 5597899 A

L3: Entry 2 of 4

File: EPAB

Jan 28, 1997

PUB-NO: US005597899A  
DOCUMENT-IDENTIFIER: US 5597899 A  
TITLE: Tumor necrosis factor muteins

PUBN-DATE: January 28, 1997

## INVENTOR-INFORMATION:

NAME	COUNTRY
BANNER, DAVID	CH
LESSLAUER, WERNER	CH
LOETSCHER, HANSRUEDI	CH
STUEBER, DIETRICH	DE

INT-CL (IPC): C07K 14/525; C12P 21/06  
EUR-CL (EPC): C07K014/525[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn Desc](#) | [Image](#)

3. Document ID: US 6262239 B1, EP 648783 A1, AU 9475743 A, CA 2133873 A, ZA 9407961 A, JP 07188298 A, AU 683298 B, EP 648783 B1, DE 69423697 E, ES 2146243 T3

L3: Entry 3 of 4

File: DWPI

Jul 17, 2001

DERWENT-ACC-NO: 1995-148673

DERWENT-WEEK: 200142

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TITLE: Tumour necrosis factor (TNF) receptor ligand - used to increase inhibitory effect of a soluble TNF receptor

INVENTOR: BELETSKY, I; BIGDA, J ; METT, I ; WALLACH, D ; ENGELMANN, H

PRIORITY-DATA: 1993IL-0107267 (October 12, 1993), 1989IL-0090339 (May 18, 1989), 1989IL-0091229 (August 6, 1989), 1990IL-0094039 (April 6, 1990)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6262239 B1	July 17, 2001	N/A	000	C07K016/28
EP 648783 A1	April 19, 1995	E	018	C07K016/28
AU 9475743 A	May 4, 1995	N/A	000	C07K015/12
CA 2133873 A	April 13, 1995	N/A	000	C12N015/28
ZA 9407961 A	July 26, 1995	N/A	032	C12N000/00
JP 07188298 A	July 25, 1995	N/A	016	C07K014/715
AU 683298 B	November 6, 1997	N/A	000	C07K015/12
EP 648783 B1	March 29, 2000	E	000	C07K016/28
DE 69423697 E	May 4, 2000	N/A	000	C07K016/28
ES 2146243 T3	August 1, 2000	N/A	000	C07K016/28

INT-CL (IPC): A61K 37/66; A61K 39/395; C07H 21/04; C07K 14/715; C07K 15/12; C07K 15/26; C07K 15/28; C07K 16/28; C12N 0/00; C12N 5/10; C12N 5/12; C12N 15/09; C12N 15/12; C12N 15/13; C12N 15/18; C12N 15/28; C12N 15/62; C12P 21/08; C12Q 1/68

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KOMC	Drawn Desc	Image
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4. Document ID: US 6262239 B1, EP 398327 A, AU 9055141 A, CA 2017025 A, ZA 9003843 A, JP 03197499 A, AU 636608 B, US 5359037 A, EP 398327 B1, DE 69017753 E, ES 2072330 T3, US 5512544 A, IL 90339 A, JP 2866706 B2, US 6232446 B1

L3: Entry 4 of 4

File: DWPI

Jul 17, 2001

DERWENT-ACC-NO: 1990-350112

DERWENT-WEEK: 200142

COPYRIGHT 2001 DERWENT INFORMATION LTD

TITLE: Tumour necrosis factor binding protein, in purified form - inhibits cytotoxic effect of tumour necrosis factor of and/or maintains prolonged beneficial effects

INVENTOR: ADERKA, D; ENGELMANN, H ; NOVICK, D ; RUBINSTEIN, M ; WALLACH, D ; BELETSKY, I ; BIGDA, J ; METT, I

PRIORITY-DATA: 1990IL-0094039 (April 6, 1990), 1989IL-0090339 (May 18, 1989), 1989IL-0091229 (August 6, 1989), 1990EP-0115105 (August 6, 1990), 1987IL-0083878 (September 13, 1987), 1991IL-0098078 (May 7, 1991), 1992IL-0103051 (September 3, 1992), 1993IL-0106271 (July 8, 1993), 1993IL-0107267 (October 12, 1993)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6262239 B1	July 17, 2001	N/A	000	C07K016/28
EP 398327 A	November 22, 1990	N/A	028	N/A
AU 9055141 A	November 22, 1990	N/A	000	N/A
CA 2017025 A	November 18, 1990	N/A	000	N/A
ZA 9003843 A	May 29, 1991	N/A	000	N/A
JP 03197499 A	August 28, 1991	N/A	000	N/A
AU 636608 B	May 6, 1993	N/A	000	C07K013/00
US 5359037 A	October 25, 1994	N/A	025	C07K015/00
EP 398327 B1	March 15, 1995	E	032	C12P021/02
DE 69017753 E	April 20, 1995	N/A	000	C12P021/02
ES 2072330 T3	July 16, 1995	N/A	000	C12P021/02
US 5512544 A	April 30, 1996	N/A	005	A61K038/16
IL 90339 A	October 16, 1996	N/A	000	C07K014/715
JP 2866706 B2	March 8, 1999	N/A	020	C07K014/46
US 6232446 B1	May 15, 2001	N/A	000	C07K016/28

INT-CL (IPC): A61K 37/02; A61K 38/02; A61K 38/16; A61K 38/17; C07K 3/28; C07K 13/00; C07K 14/435; C07K 14/46; C07K 14/47 ; C07K 14/715; C07K 15/00; C07K 15/12; C07K 16/28; C12N 1/21; C12N 5/12; C12N 15/09; C12N 15/12; C12N 15/63; C12P 21/00; C12P 21/02; C12P 21/08; G01N 33/577; G01N 33/68

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Term	Documents
TNF.DWPI,EPAB,JPAB.	3092
TNFS.DWPI,EPAB,JPAB.	15
RECEPTORS	0
RECEPTOR.DWPI,EPAB,JPAB.	38895
RECEPTORAB.DWPI,EPAB,JPAB.	1
RECEPTORAGONISTIC.DWPI,EPAB,JPAB.	1
RECEPTORAGONISTS.DWPI,EPAB,JPAB.	1
RECEPTORANALOGOUS.DWPI,EPAB,JPAB.	1
RECEPTORANTAGONIST.DWPI,EPAB,JPAB.	1
RECEPTORANTAGONISTIC.DWPI,EPAB,JPAB.	2
((TNF ADJ RECEPTOR\$) SAME (STALK OR 67) ).JPAB,EPAB,DWPI.	4

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Term	Documents
TNF.DWPI,EPAB,JPAB.	3092
TNFS.DWPI,EPAB,JPAB.	15
RECEPTORS	0
RECEPTOR.DWPI,EPAB,JPAB.	38895
RECEPTORAB.DWPI,EPAB,JPAB.	1
RECEPTORAGONISTIC.DWPI,EPAB,JPAB.	1
RECEPTORAGONISTS.DWPI,EPAB,JPAB.	1
RECEPTORANALOGOUS.DWPI,EPAB,JPAB.	1
RECEPTORANTAGONIST.DWPI,EPAB,JPAB.	1
RECEPTORANTAGONISTIC.DWPI,EPAB,JPAB.	2
((TNF ADJ RECEPTORS) SAME (STALK OR 67) ).JPAB,EPAB,DWPI.	4

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## Search Results - Record(s) 1 through 4 of 4 returned.

 1. Document ID: JP 08009976 A

L3: Entry 1 of 4

File: JPAB

Jan 16, 1996

PUB-NO: JP408009976A  
DOCUMENT-IDENTIFIER: JP 08009976 A  
TITLE: TUMOR NECROSIS FACTOR-A MUTEIN

PUBN-DATE: January 16, 1996

## INVENTOR-INFORMATION:

NAME	COUNTRY
BANNER, DAVID	N/A
LESSLAUER, WERNER	N/A
LOETSCHER, HANSRUEDI	N/A
STUEBER, DIETRICH	N/A

INT-CL (IPC): C12N 15/09; A61K 38/00; C07H 21/02; C07H 21/04; C07K 14/525; C12N 1/21; C12P 21/02; G01N 33/566

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn Desc](#) | [Image](#) 2. Document ID: US 5597899 A

L3: Entry 2 of 4

File: EPAB

Jan 28, 1997

PUB-NO: US005597899A  
DOCUMENT-IDENTIFIER: US 5597899 A  
TITLE: Tumor necrosis factor muteins

PUBN-DATE: January 28, 1997

## INVENTOR-INFORMATION:

NAME	COUNTRY
BANNER, DAVID	CH
LESSLAUER, WERNER	CH
LOETSCHER, HANSRUEDI	CH
STUEBER, DIETRICH	DE

INT-CL (IPC): C07K 14/525; C12P 21/06  
EUR-CL (EPC): C07K014/525[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn Desc](#) | [Image](#)

3. Document ID: US 6262239 B1, EP 648783 A1, AU 9475743 A, CA 2133873 A, ZA 9407961 A, JP 07188298 A, AU 683298 B, EP 648783 B1, DE 69423697 E, ES 2146243 T3

L3: Entry 3 of 4

File: DWPI

Jul 17, 2001

DERWENT-ACC-NO: 1995-148673

DERWENT-WEEK: 200142

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TITLE: Tumour necrosis factor (TNF) receptor ligand - used to increase inhibitory effect of a soluble TNF receptor

INVENTOR: BELETSKY, I; BIGDA, J ; METT, I ; WALLACH, D ; ENGELMANN, H

PRIORITY-DATA: 1993IL-0107267 (October 12, 1993), 1989IL-0090339 (May 18, 1989), 1989IL-0091229 (August 6, 1989), 1990IL-0094039 (April 6, 1990)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6262239 B1	July 17, 2001	N/A	000	C07K016/28
EP 648783 A1	April 19, 1995	E	018	C07K016/28
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JP 07188298 A	July 25, 1995	N/A	016	C07K014/715
AU 683298 B	November 6, 1997	N/A	000	C07K015/12
EP 648783 B1	March 29, 2000	E	000	C07K016/28
DE 69423697 E	May 4, 2000	N/A	000	C07K016/28
ES 2146243 T3	August 1, 2000	N/A	000	C07K016/28

INT-CL (IPC): A61K 37/66; A61K 39/395; C07H 21/04; C07K 14/715; C07K 15/12; C07K 15/26; C07K 15/28; C07K 16/28; C12N 0/00; C12N 5/10; C12N 5/12; C12N 15/09; C12N 15/12; C12N 15/13; C12N 15/18; C12N 15/28; C12N 15/62; C12P 21/08; C12Q 1/68

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4. Document ID: US 6262239 B1, EP 398327 A, AU 9055141 A, CA 2017025 A, ZA 9003843 A, JP 03197499 A, AU 636608 B, US 5359037 A, EP 398327 B1, DE 69017753 E, ES 2072330 T3, US 5512544 A, IL 90339 A, JP 2866706 B2, US 6232446 B1

L3: Entry 4 of 4

File: DWPI

Jul 17, 2001

DERWENT-ACC-NO: 1990-350112

DERWENT-WEEK: 200142

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TITLE: Tumour necrosis factor binding protein, in purified form - inhibits cytotoxic effect of tumour necrosis factor of and/or maintains prolonged beneficial effects

INVENTOR: ADERKA, D; ENGELMANN, H ; NOVICK, D ; RUBINSTEIN, M ; WALLACH, D ; BELETSKY, I ; BIGDA, J ; METT, I

PRIORITY-DATA: 1990IL-0094039 (April 6, 1990), 1989IL-0090339 (May 18, 1989), 1989IL-0091229 (August 6, 1989), 1990EP-0115105 (August 6, 1990), 1987IL-0083878 (September 13, 1987), 1991IL-0098078 (May 7, 1991), 1992IL-0103051 (September 3, 1992), 1993IL-0106271 (July 8, 1993), 1993IL-0107267 (October 12, 1993)

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JP 03197499 A	August 28, 1991	N/A	000	N/A
AU 636608 B	May 6, 1993	N/A	000	C07K013/00
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EP 398327 B1	March 15, 1995	E	032	C12P021/02
DE 69017753 E	April 20, 1995	N/A	000	C12P021/02
ES 2072330 T3	July 16, 1995	N/A	000	C12P021/02
US 5512544 A	April 30, 1996	N/A	005	A61K038/16
IL 90339 A	October 16, 1996	N/A	000	C07K014/715
JP 2866706 B2	March 8, 1999	N/A	020	C07K014/46
US 6232446 B1	May 15, 2001	N/A	000	C07K016/28

INT-CL (IPC): A61K 37/02; A61K 38/02; A61K 38/16; A61K 38/17; C07K 3/28; C07K 13/00; C07K 14/435; C07K 14/46; C07K 14/47 ; C07K 14/715; C07K 15/00; C07K 15/12; C07K 16/28; C12N 1/21; C12N 5/12; C12N 15/09; C12N 15/12; C12N 15/63; C12P 21/00; C12P 21/02; C12P 21/08; G01N 33/577; G01N 33/68

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